## Amendments to the Claims

This listing of the Claims will replace all prior versions and listings of the claims in this patent application.

## Listing of the Claims

Claim 1-121. (canceled)

122. (currently amended) A circuitry An electronic component comprising:

a first intra-chip driver or receiver; multiple I/O circuits;

a second intra-chip driver or receiver;

an-a first metallization interconnecting-structure;

a passivation layer over said <u>first metallization</u> <u>interconnecting</u> structure; and <u>an upper-a second metallization</u> <u>interconnecting</u> structure over said passivation layer, <u>wherein said second metallization structure connects said first intra-chip driver or receiver and said second intra-chip driver or receiver. <u>-and connecting said multiple I/O circuits.</u></u>

123. (currently amended) The <u>circuitry electronic</u> component of Claim 122, wherein said passivation layer comprises a topmost nitride layer of said circuitry component.

124. (currently amended) The <u>circuitry electronic</u> component of Claim 122, wherein said passivation layer comprises a topmost oxide layer <u>of said circuitry component</u>.

125. (currently amended) The <u>circuitry electronic</u> component of Claim 122, wherein said passivation layer comprises a topmost CVD insulating layer <u>of said circuitry component</u>.

Claim 126. (canceled)

127. (currently amended) The <u>circuitry electronic</u> component of Claim 122, 126, wherein said second metallization structure signal bus is used to transmit address signals.

128. (currently amended) The <u>circuitry electronic</u> component of Claim 122, 126, wherein said <u>second metallization structure signal bus</u> is used to transmit data signals.

129. (currently amended) The <u>circuitry electronic</u> component of Claim 122, 126, wherein said second metallization structure signal bus is used to transmit logic signals.

130. (currently amended) The <u>circuitry electronic</u> component of Claim 122, 126, wherein said second metallization structure signal bus is used to transmit analog signals.

131. (currently amended) The <u>circuitry electronic</u> component of Claim 122, 126, wherein said <u>second interconnecting structure signal bus</u> is used to transmit clock signals.

132. (currently amended) The <u>circuitry electronic</u> component of Claim 122, 126, wherein said second metallization structure signal bus is used to transmit a power voltage.

133. (currently amended) The <u>circuitry electronic</u> component of Claim <u>122</u>, <u>126</u>, wherein said <u>second metallization structure signal bus</u> is used to transmit a ground voltage.

134. (currently amended) The <u>circuitry electronic</u>-component of Claim 122 further comprising <u>an off-chip driver</u>, <u>receiver or I/O circuit and an external connection</u>, <u>wherein said external connection is connected to said off-chip driver</u>, <u>receiver or I/O circuit</u>, <u>and said second metallization structure connects said off-chip driver</u>, <u>receiver or I/O circuit</u>, <u>said first intra-chip driver or receiver</u>, <u>and said second intra-chip driver or receiver</u>. <u>one of said multiple I/O circuits</u>.

135. (currently amended) The <u>circuitry electronic</u> component of Claim 134 further comprising an ESD circuit connected to said external connection.

136. (currently amended) The <u>circuitry electronic</u> component of Claim 122 is a semiconductor chip.

137. (currently amended) The <u>circuitry electronic</u>-component of Claim 122 is a semiconductor wafer.

138. (currently amended) The <u>circuitry electronic</u>-component of Claim 122, wherein <u>said</u> second metallization structure is used to transmit a signal output from a voltage regulator. said multiple I/O circuits comprise a receiver.

Claim 139. (canceled)

140. (currently amended) A circuitry An electronic component comprising:

a semiconductor circuit;

an intra-chip driver or receiver; a first I/O circuit;

an off-chip driver, receiver or I/O circuit; a second I/O circuit;

<u>a first metallization</u> an interconnecting structure connecting said semiconductor circuit and said intra-chip driver or receiver; first I/O circuit;

an external connection connected to said off-chip driver, receiver or I/O circuit;

a passivation layer over said <u>first metallization interconnecting</u>-structure; and

<u>a second metallization an upper interconnecting</u> structure over said passivation layer.

<u>wherein said second metallization structure connects and connecting</u>-said <u>intra-chip driver or</u>

receiver and said off-chip driver, receiver or I/O circuit. <u>first and second I/O circuits</u>.

- 141. (currently amended) The <u>circuitry electronic</u> component of Claim 140, wherein said passivation layer comprises a topmost nitride layer <u>of said circuitry component</u>.
- 142. (currently amended) The <u>circuitry electronic</u> component of Claim 140, wherein said passivation layer comprises a topmost oxide layer of said circuitry component.
- 143. (currently amended) The <u>circuitry electronic</u> component of Claim 140, wherein said passivation layer comprises a topmost CVD insulating layer <u>of said circuitry component</u>.

Claim 144. (canceled)

145. (currently amended) The <u>circuitry electronic</u> component of Claim 140, 144, wherein said <u>second metallization structure signal bus</u> is used to transmit address signals.

146. (currently amended) The <u>circuitry electronic</u>-component of Claim 140, 144, wherein said <u>second metallization structure signal bus</u> is used to transmit data signals.

147. (currently amended) The <u>circuitry electronic</u> component of Claim 140, 144, wherein said <u>second metallization structure signal bus</u> is used to transmit logic signals.

148. (new) The <u>circuitry electronic</u> component of Claim 140, 144, wherein said <u>second</u> metallization structure <u>signal bus</u> is used to transmit analog signals.

149. (currently amended) The <u>circuitry electronic</u>-component of Claim 140, 144, wherein said second metallization structure signal bus-is used to transmit clock signals.

150. (currently amended) The <u>circuitry electronic</u> component of Claim 140, 144, wherein said second metallization <u>structure signal bus</u> is used to transmit a power voltage.

151. (currently amended) The <u>circuitry electronic</u> component of Claim 140, 144, wherein said <u>second metallization structure signal bus</u> is used to transmit a ground voltage.

Claim 152. (canceled)

153. (currently amended) The <u>circuitry electronic</u> component of Claim <u>140</u> <u>152</u> further comprising an ESD circuit connected to said external connection.

154. (currently amended) The <u>circuitry electronic</u>-component of Claim 140 is a semiconductor chip.

155. (currently amended) The <u>circuitry electronic</u> component of Claim 140 is a semiconductor wafer.

156. (currently amended) The <u>circuitry electronic</u> component of Claim 140, wherein <u>said</u> second metallization structure is used to transmit a signal output from a voltage regulator. said first I/O circuit comprises a receiver.

Claims 157-159. (canceled)

160. (currently amended) A method of fabricating an electronic component, comprising:

providing a semiconductor wafer comprising a first intra-chip driver or receiver, a

second intra-chip driver or receiver, multiple I/O circuits, a first metallization an

interconnecting structure and a passivation layer, said passivation layer being over said first

metallization interconnecting structure; and

forming a second metallization an upper interconnecting structure over said passivation layer, wherein said second upper interconnecting structure connects said first intra-chip driver or receiver and said second intra-chip driver or receiver. multiple I/O eircuits.

161. (currently amended) The method of Claim 160, wherein said passivation layer comprises a topmost-nitride layer.

- 162. (currently amended) The method of Claim 160, wherein said passivation layer comprises a topmost an oxide layer.
- 163. (currently amended) The method of Claim 160, wherein said passivation layer comprises a topmost an insulating layer formed using a CVD process.
- 164. (currently amended) The method of Claim 160, wherein said <u>forming said second</u> metallization structure comprises electroplating. <u>multiple I/O circuits comprise a receiver.</u>
- 165. (currently amended) The method of Claim 160, wherein said <u>forming said second</u> metallization structure comprises sputtering. <u>multiple I/O circuits comprise a driver.</u>
- 166. (currently amended) A method of fabricating an electronic component, comprising:

  providing a semiconductor wafer comprising a semiconductor circuit, an intra-chip

  driver or receiver, an off-chip driver, receiver or I/O circuit, a first I/O circuit, a second I/O

  eircuit, a first metallization an interconnecting structure, an external connection and a

  passivation layer, said first metallization interconnecting structure connecting said intra-chip

  driver or receiver first I/O circuit and said semiconductor circuit, said external connection

  being connected to said off-chip driver, receiver or I/O circuit, and said passivation layer

  being over said first metallization interconnecting structure; and

forming a second metallization an upper interconnecting structure over said passivation layer, wherein said second metallization upper interconnecting structure connects said intra-chip driver or receiver and said off-chip driver, receiver or I/O circuit. first and second I/O circuits.

- 167. (currently amended) The method of Claim 166, wherein said passivation layer comprises a topmost nitride layer.
- 168. (currently amended) The method of Claim 166, wherein said passivation layer comprises a topmost an oxide layer.
- 169. (currently amended) The method of Claim 166, wherein said passivation layer comprises a topmost an insulating layer formed using a CVD process.
- 170. (currently amended) The method of Claim 166, wherein said <u>forming said second</u> metallization structure comprises electroplating. <u>multiple I/O circuits comprise a receiver.</u>
- 171. (currently amended) The method of Claim 166, wherein said <u>forming said second</u> metallization structure comprises sputtering. <u>multiple I/O circuits comprise a driver.</u>